

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



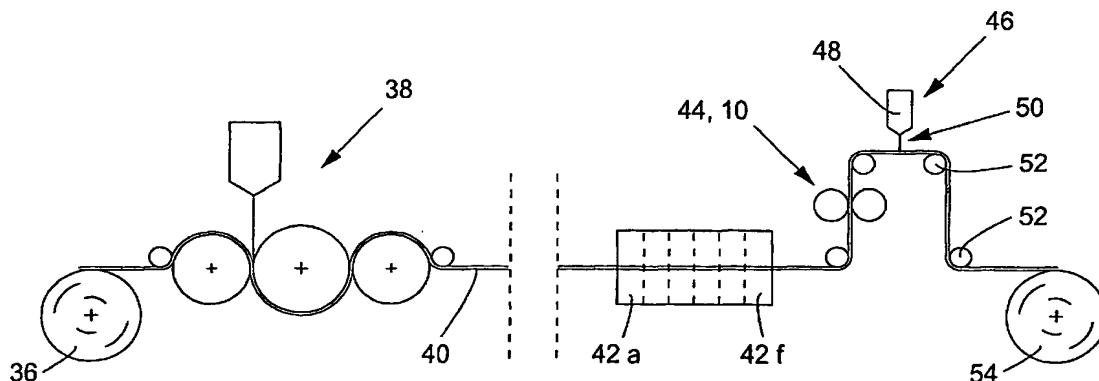
(43) International Publication Date
2 October 2003 (02.10.2003)

PCT

(10) International Publication Number
WO 03/080324 A1

- (51) International Patent Classification⁷: B31B 1/14, B23K 26/00
- (21) International Application Number: PCT/SE03/00456
- (22) International Filing Date: 18 March 2003 (18.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0200923-1 25 March 2002 (25.03.2002) SE
- (71) Applicant (for all designated States except US): TETRA LAVAL HOLDINGS & FINANCE S.A. [CH/CH]; Av. Général-Guisan 70, CH-1009 Pully (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): ANDERSSON, Ingvar [SE/SE]; Joggingvägen 12, S-246 52 Löddeköpinge (SE).
- (74) Agent: SUNDELL, Håkan; Ab Tetra Pak, Central Patent Department, Ruben Rausing's gata, S-221 86 Lund (SE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A METHOD IN THE MANUFACTURE OF A PACKAGING LAMINATE, A PLANT IN THE MANUFACTURE OF THE PACKAGING LAMINATE, AND THE THUS MANUFACTURED PACKAGING LAMINATE



(57) Abstract: A method in the manufacture of a web-shaped packaging laminate (22) comprising a core layer (24) of paper or paperboard, the method including the steps of coating (38) a first side of a material web (40) of paper or paperboard with an outer layer (26) of thermoplastic material, an thereafter forming, with the aid of laser burning (46, 48) on the thus thermo-plastic coated first side of the packaging laminate (22), a perforation line (32) through said thermoplastic layer (26) and said core layer (24). After said coating (38) with the thermoplastic material but before the formation of the perforation line, the packaging laminate (22) is compressed (44, 10) on said first side for the formation of a compression line (30) in which said core layer (24) is compressed, whereafter said perforation line (32) is formed in said compression line (30). The present invention also relates to a plant in the manufacture of the packaging laminate, as well as the thus produced packaging laminate (22).

502,090

WO 03/080324 A1